

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P635909

Luminaire Tested: **IFLD-S-SA6D-935-U-11-VI**

Issue Date: 01/17/2023

Test Information

Test Method: LM-79-08
Report Number: P635909
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-935-U-11-VI
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ Nema 1 distribution lens and Visor
Light Source: (96) 3500K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22293.5 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

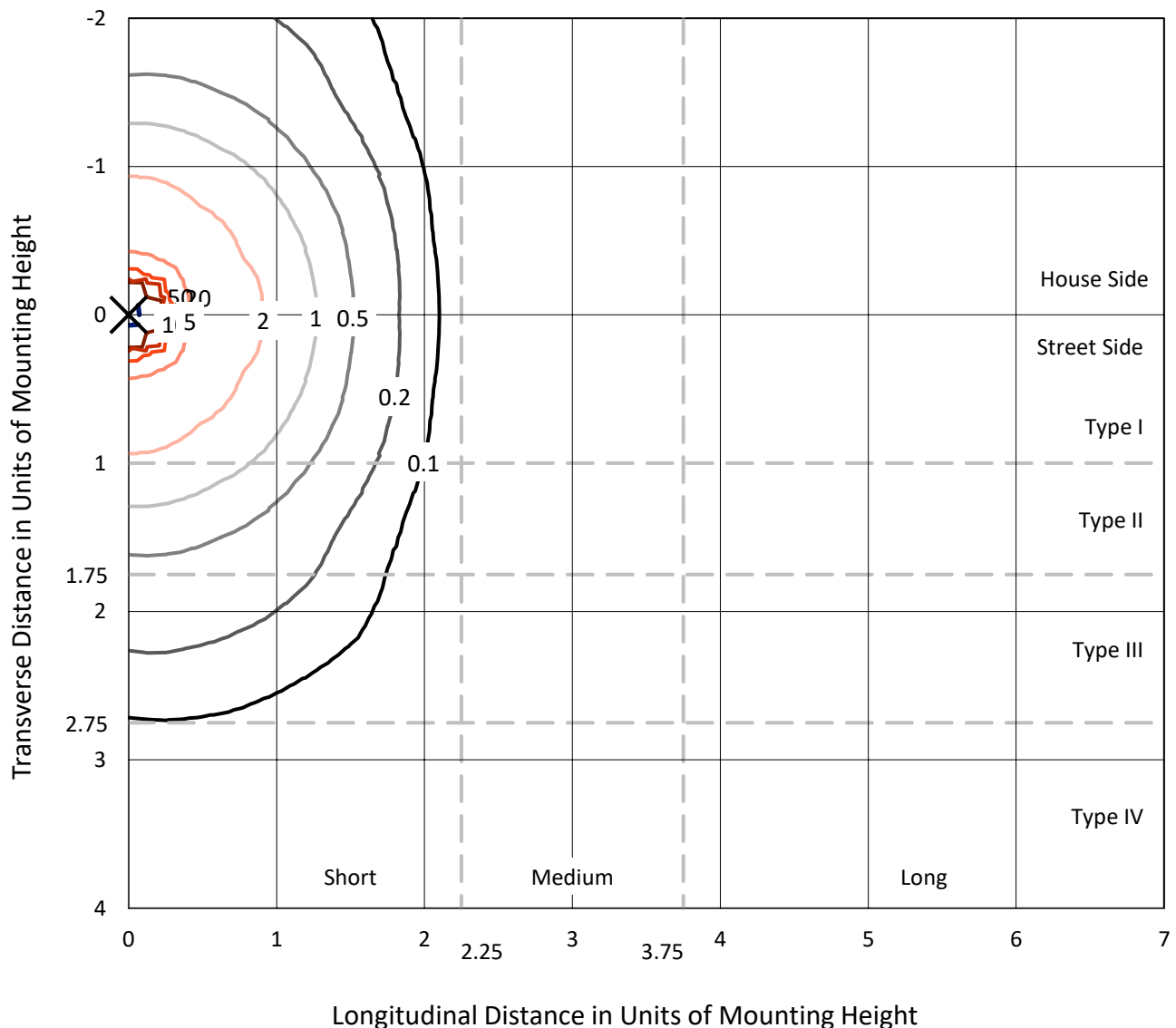
Input Watts (W): 368.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

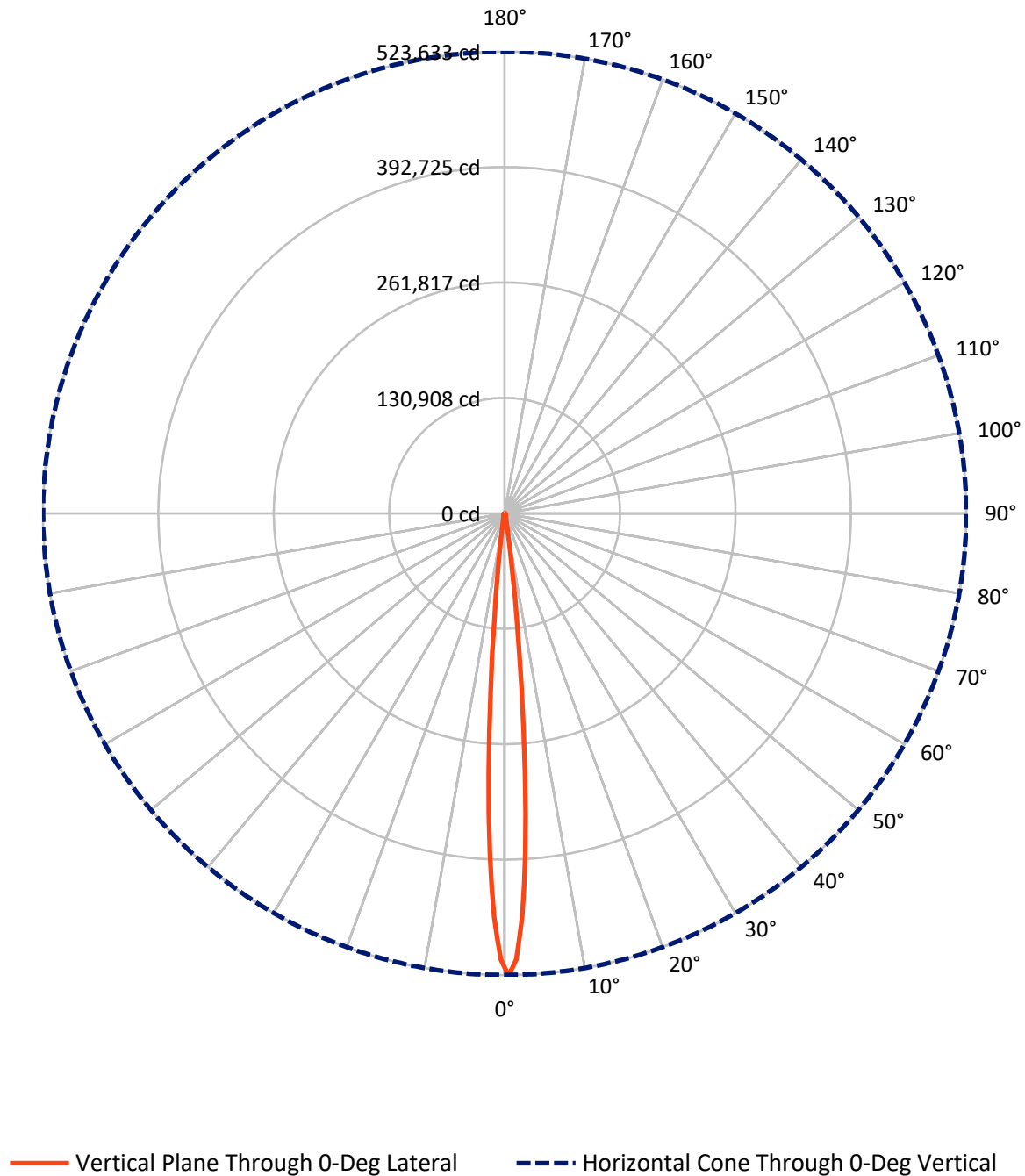
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 1309.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11146.7	0.0	11146.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11146.7	0.0	11146.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	22293.5	0.0	22293.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14071.1	63.1
10°-20°	1739.0	7.8
20°-30°	1041.9	4.7
30°-40°	1120.3	5.0
40°-50°	1506.4	6.8
50°-60°	1342.8	6.0
60°-70°	887.0	4.0
70°-80°	439.8	2.0
80°-90°	145.2	0.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	22293.5	100.0
0°-180°	22293.5	100.0



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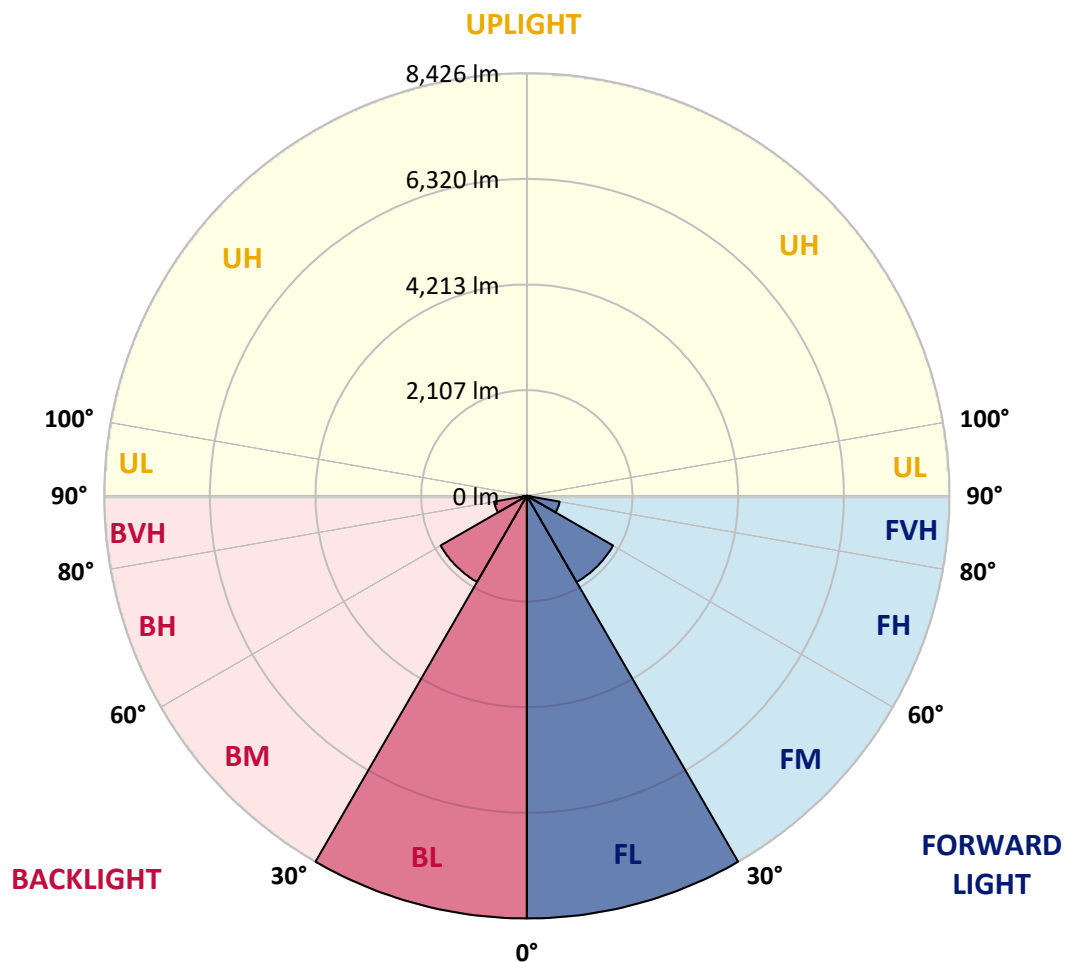
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	8426.0	37.8			
FM	(30°-60°)	1984.7	8.9			
FH	(60°-80°)	663.4	3.0			G1/1800
FVH	(80°-90°)	72.6	0.3			G1/100
BL	(0°-30°)	8426.0	37.8	B5		
BM	(30°-60°)	1984.7	8.9	B2/2500		
BH	(60°-80°)	663.4	3.0	B2/1000		G1/1800
BVH	(80°-90°)	72.6	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	523633.2	523633.2	523633.2	523633.2	523633.2	523633.2	523633.2	523633.2	523633.2	523633.2
1°	506081.8	500887.3	503559.1	506112.6	509693.8	511271.2	512879.4	514081.7	514061.1	516044.4
2°	457748.7	449378.9	453258.1	458015.9	467218.0	469859.0	474272.5	479734.2	480068.2	485010.9
3°	385827.1	374076.5	379790.0	388262.5	403517.2	407463.2	414538.2	419532.4	417302.5	423087.8
4°	296071.6	280739.8	289469.3	302011.1	316859.9	331924.5	332222.5	335803.7	328451.2	328096.7
5°	199749.7	186231.6	197432.4	213118.7	225948.3	236476.0	242960.2	243407.2	235458.7	234734.2
6°	121826.9	112881.7	122628.4	139229.3	157001.6	161379.1	162370.8	160120.3	149695.4	143925.4
7°	67333.4	63685.4	73211.2	83117.3	96974.4	103381.5	98947.4	91754.2	88563.5	81694.1
8°	37132.3	35334.0	38052.0	46611.9	57365.7	61573.7	57293.7	49823.1	44443.6	42542.6
9°	22386.2	21389.5	22499.3	25756.7	30401.5	33319.9	30869.0	27190.2	24919.3	24287.3
10°	14869.3	14478.9	14951.6	16051.1	17720.9	18573.8	17962.4	16503.2	15814.7	15773.6
12.5°	7804.6	7732.7	7850.8	7974.2	8261.9	8308.1	8200.2	8097.5	7938.2	7999.9
15°	5025.0	4958.2	5081.5	5240.8	5312.7	5358.9	5364.1	5307.5	5199.6	5148.3
17.5°	3663.4	3678.8	3689.1	3781.6	3920.3	4028.2	3981.9	3920.3	3797.0	3735.3
20°	3016.0	3021.1	3041.7	3093.1	3139.3	3288.3	3242.1	3149.6	3031.4	2985.2
22.5°	2579.3	2589.5	2599.8	2630.7	2640.9	2682.0	2687.2	2605.0	2538.2	2512.5
25°	2271.0	2271.0	2286.4	2312.1	2322.4	2291.5	2296.7	2260.7	2199.1	2168.2
27.5°	1926.7	1937.0	1952.4	1962.7	1942.2	1906.2	1860.0	1890.8	1860.0	1788.0
30°	1716.1	1726.4	1772.6	1741.8	1695.5	1649.3	1623.6	1664.7	1669.8	1608.2
32.5°	1700.7	1705.8	1721.2	1705.8	1649.3	1592.8	1556.8	1603.1	1613.3	1587.6
35°	1777.7	1762.3	1782.9	1793.2	1736.6	1675.0	1628.7	1669.8	1700.7	1711.0
37.5°	2152.8	2065.5	1998.7	1978.1	1942.2	1901.1	1839.4	1849.7	1906.2	1957.6
40°	2050.1	2029.5	2003.8	1937.0	1870.2	1921.6	1849.7	1829.1	1957.6	1967.9
42.5°	2034.6	2050.1	2029.5	1947.3	1880.5	1931.9	1916.5	1854.8	1983.3	1967.9
45°	2044.9	2060.3	2106.6	1967.9	1911.3	1937.0	1967.9	1901.1	2029.5	1978.1
47.5°	1962.7	1983.3	2034.6	1957.6	1921.6	1916.5	1962.7	1901.1	1967.9	1962.7
50°	1854.8	1875.4	1890.8	1824.0	1890.8	1854.8	1860.0	1834.3	1834.3	1844.5
52.5°	1716.1	1736.6	1752.1	1675.0	1716.1	1731.5	1669.8	1664.7	1618.5	1633.9
55°	1546.5	1577.4	1592.8	1561.9	1541.4	1572.2	1484.9	1474.6	1382.1	1387.3
57.5°	1351.3	1382.1	1397.5	1433.5	1418.1	1356.4	1305.0	1263.9	1161.2	1120.1
60°	1392.4	1423.2	1392.4	1289.6	1289.6	1150.9	1104.7	1017.3	914.6	863.2
62.5°	1346.2	1387.3	1382.1	1274.2	1145.8	971.1	888.9	796.4	693.6	626.8
65°	1269.1	1310.2	1289.6	1217.7	1094.4	832.4	709.0	616.6	488.1	472.7
67.5°	1140.6	1202.3	1161.2	1114.9	1017.3	755.3	565.2	462.4	354.5	354.5
70°	945.4	991.6	1017.3	965.9	909.4	709.0	483.0	354.5	256.9	195.2
72.5°	760.4	801.5	842.6	816.9	765.6	642.2	431.6	282.6	185.0	113.0
75°	421.3	436.7	452.1	513.8	585.7	524.1	395.6	246.6	154.1	87.3
77.5°	323.7	339.1	375.1	344.2	318.6	405.9	431.6	287.7	133.6	61.7
80°	251.8	272.3	385.3	318.6	272.3	308.3	369.9	251.8	87.3	30.8
82.5°	190.1	205.5	272.3	303.1	287.7	231.2	200.4	169.6	77.1	20.6
85°	138.7	159.3	190.1	169.6	164.4	164.4	220.9	149.0	56.5	15.4
87.5°	82.2	82.2	87.3	82.2	77.1	77.1	87.3	71.9	36.0	10.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°

523633.2

512057.3

480643.6

416901.7

326534.7

231800.4

144428.9

78467.4

40816.2

23429.2

15285.5

7768.6

5066.1

3668.5

2933.8

2481.6

2142.5

1793.2

1587.6

1572.2

1711.0

2003.8

1983.3

1957.6

1962.7

1952.4

1808.6

1608.2

1351.3

1094.4

822.1

616.6

472.7

313.4

174.7

107.9

77.1

30.8

20.6

15.4

10.3

10.3

0.0

OF REPORT)